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As the gasoline A is consumed the pump 14 will again be operated and the heater 34 will be operated by the thermostat 36. Thus the operation as described will continue as long as the internal combustion engine is operating and the ignition switch 41 is turned on. The reservoir 12 will hold from 2 to 3 quarts of gasoline and since only the vapors from the heated gasoline will cause the carburetor 12 to run the internal combustion engine 26, the internal combustion engine will operate for a long time before more gasoline is drawn into the reservoir 21.

The baffles 43, 44, 45 and 46 are arranged in staggered relation to prevent splashing of the gasoline within the carburetor. The level B of the gasoline A in the reservoir 21 is maintained constant by the switch 18 and with all elements properly sealed, the vapor fuel system 10 will efficiently operate the internal combustion engine 26.

The valve 28, controlling the entrance of vapors into the intake manifold 25, controls the speed of the internal combustion engine in the same manner as the control valve in a conventional carburetor.

There has thus been described a vapor fuel system embodying the invention and it is believed that the structure and operation thereof will be apparent to those skilled in the art, it is also to be understood that changes in the minor details of construction, arrangement and combination of parts may be resorted to provided they fall within the spirit of the invention and the scope of the appended claim.

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Having thus described the invention what is claimed as new and desired to be secured by Letters Patent is:

A carburetor for use in a vapor fuel system comprising a circular domed body, a mixing throat centrally of said body, means on one end of said throat for connecting said throat to an intake manifold of an internal combustion engine, the opposite end of said throat having a hollow bulbous portion thereon integral therewith, said body having a domed top, a tubular air intake integral with said top and positioned centrally of said mixing throat, a plurality of apertured baffles mounted in said body in staggered spaced relation to each other, means secured to said top centrally thereof in vertical alinement with said mixing throat for connecting an air cleaner thereto, a heater in said body for vaporizing fuel in said carburetor, a pump for supplying said carburetor with fuel, means for controlling the operation of said pump to maintain the fuel in said carburetor, a thermostat for controlling said heater, means for setting said thermostat to control the temperature of said heater and means for delivering raw gasoline into the intake manifold.

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